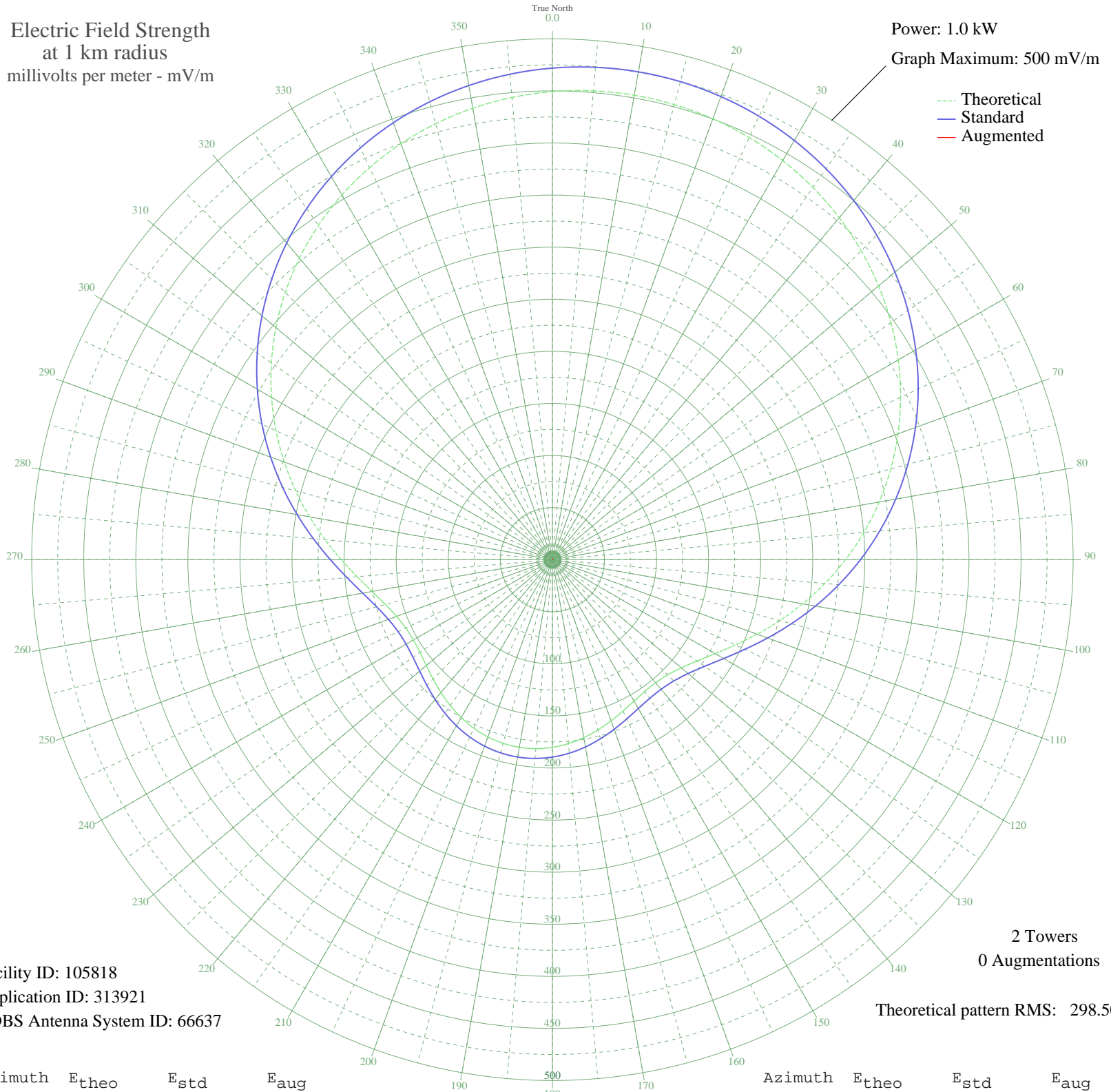


# CHUC COBOURG, ON Canada -- 1450 kHz

Nighttime

Electric Field Strength  
at 1 km radius  
millivolts per meter - mV/m

Power: 1.0 kW  
Graph Maximum: 500 mV/m



Facility ID: 105818  
Application ID: 313921  
CDBS Antenna System ID: 66637

2 Towers  
0 Augmentations  
Theoretical pattern RMS: 298.50

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	449.27	471.88	
5	451.72	474.45	
10	452.72	475.50	
15	452.29	475.05	
20	450.42	473.09	
25	447.11	469.61	
30	442.34	464.61	
35	436.13	458.09	
40	428.46	450.04	
45	419.34	440.46	
50	408.78	429.38	
55	396.82	416.83	
60	383.51	402.85	
65	368.91	387.54	
70	353.14	370.98	
75	336.32	353.33	
80	318.63	334.77	
85	300.27	315.51	
90	281.51	295.82	
95	262.64	276.03	
100	244.01	256.49	
105	226.02	237.62	
110	209.11	219.88	
115	193.75	203.78	
120	180.44	189.83	
125	169.61	178.48	
130	161.58	170.07	
135	156.51	164.76	
140	154.28	162.42	
145	154.54	162.69	
150	156.76	165.02	
155	160.33	168.76	
160	164.65	173.28	
165	169.18	178.04	
170	173.50	182.55	
175	177.24	186.48	

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	180.16	189.54	
185	182.08	191.54	
190	182.88	192.39	
195	182.54	192.03	
200	181.05	190.47	
205	178.52	187.82	
210	175.08	184.21	
215	170.96	179.89	
220	166.46	175.18	
225	162.00	170.50	
230	158.06	166.38	
235	155.22	163.41	
240	154.11	162.25	
245	155.29	163.48	
250	159.20	167.58	
255	166.05	174.75	
260	175.79	184.95	
265	188.16	197.92	
270	202.75	213.22	
275	219.10	230.36	
280	236.72	248.83	
285	255.14	268.16	
290	273.96	287.90	
295	292.80	307.67	
300	311.35	327.13	
305	329.34	346.00	
310	346.53	364.04	
315	362.74	381.05	
320	377.82	396.88	
325	391.65	411.41	
330	404.16	424.54	
335	415.29	436.21	
340	424.98	446.39	
345	433.24	455.05	
350	440.03	462.19	
355	445.38	467.79	

The theoretical pattern is used to create the standard pattern. Augmentations (if any) expand the standard pattern in specified directions. See Sections 73.150 and 73.152 of the FCC's Rules.

AM coverage may not mirror the pattern shown here. Additional factors such as ground conductivity or skywave propagation affect how far the AM signal will travel.

Patterns for stations outside the USA are based on notified parameters.

AM directional patterns created before 1982 used units of 1 mV/m at 1 mile, not one kilometer. The pattern values on such plots at 1 mile will be 0.62137 of the values listed here. Measured pattern values may vary from values shown here.

Plot is best printed on 11" by 17" or larger paper.

17 Oct 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission